In the claims:

Amend the following claims:

32. (Amended) A method for detecting breast cancer in a patient comprising:

(a) contacting a biological sample from a patient with at least two oligonucleotide primers in a polymerase chain reaction, wherein at least one of the oligonucleotides is specific for a polynucleotide molecule [encoding a polypeptide comprising an immunogenic portion of a breast protein, said protein comprising an amino acid sequence encoded by a polynucleotide molecule] comprising a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID NO:[1-94]55, 56, 59-65 and 67, complements of said nucleotide sequences and sequences that hybridize to a sequence of SEQ ID NO:[1-94]55, 56, 59-65 and 67 under moderately stringent conditions; and

(b) detecting in the sample a polynucleotide sequence that amplifies in the presence of the oligonucleotide primers, thereby detecting breast cancer.

33. (Amended) The method of claim 32, wherein at least one of the oligonucleotide primers comprises at least about 10 contiguous nucleotides of a polynucleotide molecule comprising a sequence selected from SEQ ID NOS:[1-94]55, 56, 59-65 and 67.

43. (Amended) A method for detecting breast cancer in a patient comprising:

(a) obtaining a biological sample from the patient;

(b) contacting the biological sample with an oligonucleotide probe specific for a polynucleotide molecule [encoding a polypeptide comprising an immunogenic portion of a breast protein, said protein comprising an amino acid sequence encoded by a polynucleotide molecule] comprising a sequence selected from the group consisting of nucleotide sequences recited in SEQ ID NOS:[1-94]55, 56, 59-65 and 67, complements of said nucleotide sequences and sequences that hybridize to a sequence of SEQ ID NO:[1-94]55, 56, 59-65 and 67 under moderately stringent conditions; and